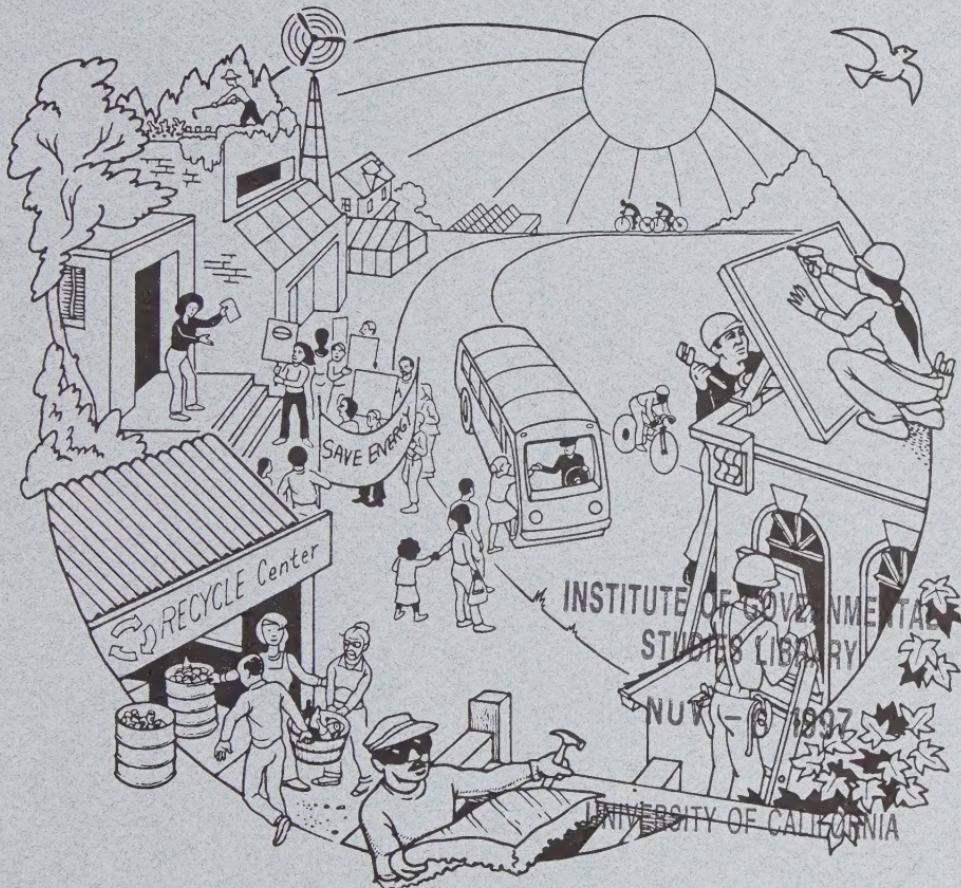


97 0099

BERKELEY ENERGY RESOURCE DIRECTORY



***Energy Organizations,
Services and Businesses***

FOURTH PRINTING

JULY 1993

**City of Berkeley
Energy Office**

TABLE OF CONTENTS

INTRODUCTION

BERKELEY CITY GOVERNMENT	1
COMMISSIONS	1
ORDINANCES	2
PROGRAMS	4
CALIFORNIA STATE GOVERNMENTAL AGENCIES	5
CONSUMER PROTECTION	8
GOT A QUESTION?	10
RESEARCH AND EDUCATION	10
PUBLICATIONS	17
BUILDING ENERGY CONSERVATION	21
ENERGY AUDITS	22
CONTRACTORS AND SERVICES	24
CONSULTANTS	27
RECYCLING	31
FINANCE	35
ALTERNATIVE ENERGY	38
SOLAR	38
COGENERATION	39
TRANSPORTATION	41

INSTITUTE OF GOVERNMENTAL
STUDIES LIBRARY

Printed on recycled paper

NUV - 6 1997

NOTICE

The authors and the City of Berkeley do not guarantee the accuracy of any entry in this directory or the qualifications of expertise of any persons or firms listed. To be included in the directory, the firms had to state that 10% of their business was done in Berkeley and that their business fit one or more of the directory's categories. The firms and individuals were not selected for quality or reputation. The descriptions of the firm's work were provided solely by the firms themselves and their statements were not independently verified. Before you contract to have work done, you should check your contractor and his license status by contacting:

Contractors State License Board
1020 N. Street
Sacramento, CA 95814
(916) 255-3900

Inquiries and complaints can also be directed to:

Consumer Complaint and Protection Coordinators;
Contractors State License Board;
or
The Better Business Bureau.

BERKELEY CITY GOVERNMENT

The following commissions, advisory bodies, ordinances and programs affect energy policies in the City of Berkeley.

COMMISSIONS



BERKELEY ENERGY COMMISSION

Chairperson: Lee Axelrad
Contact: Elaine Eisenstadt
(510) 644-6309

Advisory to Council on matters relating to energy conservation and alternative energy development in Berkeley.

COMMUNITY ENERGY SERVICES CORPORATION BOARD

Chairperson: Marilyn Nasatir
Contact: Gary Oto
(510) 644-8546

Facilitates and implements use and financing of broad scale energy conservation and renewable energy throughout the Berkeley community.

PLANNING COMMISSION

Chairperson: Babette Jee
Contact: Gil Kelley
(510) 644-6534

Advisory to Council on physical/economical development (Master Plan, Zoning Ordinances, special plans); acts on Environmental Impact Review documents, Subdivision Ordinance applications and design review.

SOLID WASTE MANAGEMENT COMMISSION

Contact: Patrick Keilch
(510) 644-6506

Functions are to develop a local plan for reducing solid waste. Generate and prepare a Solid Waste Management Plan to study the problems of solid waste management. Also sponsors Recycling program (see Programs, below, and section on Recycling.)

TRANSPORTATION COMMISSION

Chairperson: Hank Resnik

Contact: Susie Sanderson

(510) 644-6490

Advisory to Council on matters relating to transportation: reviews the City's capital improvement needs in the area of streets, bicycle, and pedestrian pathways. Evaluates the legislation before the California State Legislature that addresses funding of transportation needs, advising the City Council of potential effects on the City.

DESIGN REVIEW COMMITTEE

Chairperson: David Goldin

Contact: Pat McGowan

(510) 644-6570

Charged with review and approval of design proposals for projects in the City's non-residential districts. Distributes "Energy Vernacular" suggested guidelines for builders and developers for energy efficient buildings (prepared by the Berkeley Energy Commission).

ORDINANCES

RESIDENTIAL ENERGY CONSERVATION ORDINANCE

Berkeley's Residential Energy Conservation Ordinance (RECO) which went into effect June 20, 1981, requires that residential property owners take five energy conservation steps before they may sell their property and when implementing renovations of \$50,000 or more. RECO applies to all residential structures or units in Berkeley for which a construction permit was issued before July 1, 1978. RECO was revised in 1987 and 1991.

The requirements are:

Insulate ceilings to R-30;

Seal furnace ducts to R-3;

Insulate water heaters to R-6;

Install low flow showerheads;

Insulate hot water pipes in pumped recirculating water-heating systems to R-3;

Replace incandescent lights with fluorescents in multi-unit common areas;

Weather-strip exterior doors;

Reduce heat loss through chimneys; and

Ultra-Low flow toilets.

Free RECO brochures detailing requirements and procedures can be obtained from the City Codes and Inspection Office, the Energy Office, PG&E, Veteran's Assistance Center and most real estate offices.

COMMERCIAL ENERGY CONSERVATION ORDINANCE

Berkeley's Commercial Energy Conservation Ordinance (CECO) which goes into effect April 24, 1994, requires that commercial property owners or permit holders implement energy conservation measures at the time of sale, renovation or addition of \$50,000 or more to a commercial property. The requirements may include (where applicable):

- Thermostat control
- Timeclock controls
- Outside air economizer
- Repair of air duct leaks
- Repair and adjustment of dampers
- Insulation of air ducts and plenums
- Pipe insulation
- Cleaning and tuning of furnaces
- Cleaning and tuning of boilers
- Resetting controls for boilers
- Repair of hot water and steam leaks
- Cleaning and tuning of chiller systems
- Repair of chilled water leaks
- Resetting of controls for chillers
- Setting of temperatures for hot water systems
- Insulation of hot water heaters, storage tanks and pipes
- Pressure-temperature safety release valves for hot water heaters
- Water heater secured for earthquake safety
- Timeclock controls of hot water recirculator pumps
- Low volume showerheads
- Repair of leaks in pipes
- Low flow toilets
- Reduction of lighting loads
- Exterior lighting controls
- Cleaning and tuning of refrigeration equipment
- Thermal doors and curtains
- Repair of air and water line leaks in motor driven equipment
- Swimming pool and spa covers
- Timeclock control of circulator pumps
- Cleaning and tuning of heaters
- Ceiling insulation

Free CECO brochures detailing requirements and procedures can be

obtained from the City of Berkeley's Codes and Inspections Office, the Energy Office, and PG& E.

SOLAR HEATING AND WIND PERMIT WAIVERS

When installing solar heating or wind systems in Berkeley, the fees for plumbing and electrical permits are waived.



PROGRAMS

THE ENERGY OFFICE

Energy Officer: Elaine Eisenstadt
(510) 644-6309

Provides a wide variety of services to the community to advance energy conservation and management, including cost-saving projects in City facilities, administering energy assistance grants for qualifying low-income residents of Berkeley, and energy education and legislation. Several grants allow for installation of attic insulation, weather-stripping of doors, caulking, water heater blankets, energy saving shower heads and replacement of broken windows. One program helps low income residents pay their energy bills.

RECYCLING PROGRAM

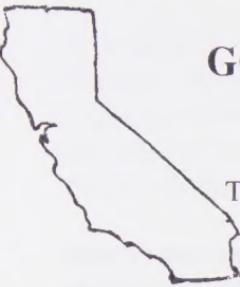
(510) 644-6523

Created by the Solid Waste Management Commission. Includes curbside pickup, drop-off sites, buyback, and salvage of reusable goods. For pickup times, addresses, and goods accepted, see section on Recycling.

TOOL LENDING LIBRARY

South Berkeley Branch Library
1901 Russell St.
Library General Information
(510) 644-6101
(510) 644-6100

Open Tuesday thru Saturday. Call for hours.



CALIFORNIA STATE GOVERNMENTAL AGENCIES

The following state agencies deal with energy related concerns.

CALIFORNIA CONSERVATION CORPS/PLACER ENERGY CENTER

3710 Christian Valley Road
Auburn, CA 95603
(916) 823-4900

Employs California men and women, ages 18-23, interested in training and employment in the energy field, to perform a wide variety of public service energy conservation work. This includes lighting retrofits, solar hot water systems, large and small scale audits and weatherization services.

CALIFORNIA ENERGY COMMISSION

1516 9th St.
Sacramento, CA 95814
Attention: Claudia Chandler

The following CEC offices provide information on conservation and renewable energy. Other services provided include energy planning and forecasting, energy technology development, energy facilities siting, and environmental protection.

- * Publications Office (916)654-5200
- * Public Information Office (916)654-4989
- * Public Advisor's Office 1-800-822-6228
- * Building And Appliance Standards (916)654-5106

Funding source: The Research and Development Office of the Energy and Technology Development Division provides grants and loans for R&D work to improve energy efficiency or cost-effectiveness of energy-saving devices.

CALIFORNIA ENERGY EXTENSION SERVICE

1400 Tenth St., Rm. 209

Sacramento, CA 95814

(916)323-4388

Mike Donovan, Program Manager

Provides training, advice, and technical assistance on energy conservation and the use of renewable sources of energy. In its first year of operation, CEES funded 20 community-based programs around the state. In Berkeley, these included the Associated Students' Co-op Energy Program (now defunct), the Berkeley Tool Lending Library, and several workshops at Berkeley Public Libraries. They currently fund the Energy Fitness Center for Schools and two statewide small business loan programs.

In November, 1988, CEES began the Native American Community Energy Services grant program, which awards grants to Native American groups for energy projects.

The CEES issues a free newsletter "Save Energy".

Contact CEES to get on the mailing list.

CALIFORNIA PUBLIC UTILITIES COMMISSION

505 Van Ness Avenue

San Francisco, CA 94102-3298

1-800-649-7570 Consumer Affairs-Complaints

1-800-848-5580 General Information 10am-3pm

Responsible for setting utility rates and monitoring/evaluating utility energy conservation programs, load management programs, utility audit programs, and utility incentive programs. Regulates private-investor owned utilities such as transportation companies, water/sewage companies and telecom companies.

CALIFORNIA WASTE MANAGEMENT BOARD (CWMB)

8800 CAL Center Dr.

Sacramento, CA 95826

(800) 553-2962 (Recycling Hotline) M-F 8am-5pm

Supervisor: Joanne Vorhies

Provides statewide recycling information. The hotline acts as a database; if you state your zip code, a nearby recycling center will be located for you. The hotline is also a good source of information for locating waste oil recyclers.

CALTRANS
P.O. Box 23660
Oakland, CA 94623-0660
General Highway Information: (510) 286-4444
Public Information, Attention: Earl Sherman

Provides general information on construction and modification conditions on highway systems, transportation, including ride sharing, road conditions, bicycle organizations, car-pool lanes, etc.

Specific services:

1. Bay Area Ridesharing — Car and van pools 1-800-755-POOL
2. Vanpooling — Available to the general public, please call for information and reservations at: 1-800-755-POOL
3. Peninsula Commuter Service (Caltrain) — San Francisco to San Jose Schedules and information: 1-800-660-4287
4. Bicycle access — across the Bay and the Strait

* Bay Bridge commuter shuttle, MacArthur BART to SF Terminal Building. Schedule and fares: 464-0876

* Other bridges (San Mateo, Benicia-Martinez, Carquinez, Richmond-San Rafael) can be crossed by free tow service, by appointment. 12-hour advance notice recommended. Appointments: (510) 464-0589

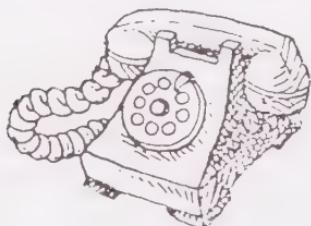
SENATE COMMITTEE ON ENERGY AND PUBLIC UTILITIES
State Capitol, #2035
Sacramento, CA 95814
(916) 445-9764
Contact: Michael Shapiro

Writes the laws on energy policies, as well as the legislation, regarding all public utilities which are enforced by the Public Utility Commission.

**STATE OF CALIFORNIA DEPARTMENT OF CONSERVATION
DIVISION OF RECYCLING**
1-800-327-9886 Recycling Hotline
1-800-732-9253 CA Redemption Program

Information hotline operated by the State of California using funds provided by the Bottle Bill. Provides statewide information about recycling and redemption centers.

CONSUMER PROTECTION



CONSERVATION AND RENEWABLE ENERGY INQUIRY AND REFERRAL SERVICE

P. O. Box 3048
Merrifield, VA 22116
(800) 523-2929

A federal information and referral service regarding conservation and renewable energy systems. Provides fact sheets, referrals, energy news-briefs and publications.

ENVIRONMENTAL DEFENSE FUND

Rockridge Market Hall
5655 College Ave. Suite 304
Oakland, CA 94618
(510) 658-8008

Works to solve problems of acid rain and toxic waste. Promotes water and energy conservation and wildlife protection through science, law and economics. For over ten years EDF's ELFIN, a computer-based energy planning model - has been used by major utilities to assist in planning for renewable energy conservation programs.

HOME ENERGY

2124 Kittredge Street Suite 95
Berkeley, CA 94704
(510) 524-5405

HOME ENERGY magazine covers every aspect of energy conservation in the home. Written primarily for energy professionals, topics covered include the best way to blow insulation, the latest on sealing ducts, and techniques for building energy-efficient homes. Bimonthly, \$49/year.

NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY

ASSISTANCE SERVICE

P. O. Box 2525

Butte, MT 59702

(800) 428-2525

(406) 494-4572

8am-5pm Mountain Standard Time

Free, federally-funded information and referral service. Their main focus is research on renewable energy technology, energy efficiency and building technology. Trained specialists will answer or research a wide variety of energy-related questions, including appliance efficiency and product reviews.

PACIFIC GAS AND ELECTRIC CO.

244 Harbor Way

Richmond, CA 94801

1-800-468-4743 Commercial

1-800-933-9555 Residential

Trained specialists will answer questions about insulation and other conservation measures.

PUBLIC UTILITIES COMMISSION

Consumer Affairs

505 Van Ness Ave. Room 4300

San Francisco, CA 94102

1-800-649-7570, 10am-3pm

Complaints and inquiries from consumers about the utilities regulated by the Commission.

U.S. DEPARTMENT OF ENERGY

Washington, D. C. 20585

General Public Inquiries

(202) 586-5575

Energy Information Administration

(202) 586-8800

Statistical reports, available to the public.

Office of Scientific and Technical Information

(615) 576-1301

Technical reports, available to the public.

GOT A QUESTION?



RESEARCH AND EDUCATION

These businesses and organizations conduct research on an on-going basis on various aspects of energy, and can answer all sorts of simple or complex questions. This section also lists educational facilities that offer energy related education.

AMERICAN COUNCIL FOR AN ENERGY EFFICIENT ECONOMY

1001 Connecticut Ave. NW, Suite 535
Washington, DC 20036
(202) 429-8873

Non-profit research organization on energy efficiency.

BERKELEY INFORMATION NETWORK

Berkeley Public Library
2090 Kittredge
Berkeley, CA 94704

The BIN service of the Berkeley Public Library is a subject index to 2500+ local groups and organizations. This FREE service has information on local recycling, interest groups, bookstores, and libraries. Call 540-0666 or come into any Berkeley Public Library to use the system yourself.

BUILDING EDUCATION CENTER

812 Page Street
Berkeley, CA 94710
(510) 525-7610
FAX (510) 525-0855

The Building Education Center offers approximately 50 different classes and workshops for homeowners, beginning tradespeople, those in career transition and professionals seeking to broaden their construction skills in short, practical coursework. BEC offers classes in Berkeley, and at five Bay Area locations through Adult Education and Continuing Education programs. For information about classes, registration and fees call the number listed above.

CALIFORNIA ENERGY COMMISSION

1516 9th Street

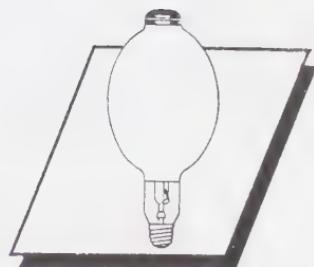
Sacramento, CA 95814

*Publications Office (916) 654-5200

*Public Information Office (916) 654-4989

*Public Advisors Office 1-800-822-6228

*Building and Appliance Standards (916) 654-5106



CAL BERKELEY ENERGY CONSERVATION OFFICE

2000 Carleton St.

Berkeley, CA

(510) 642-3050

Contact: Paul Black, 8:00am-4:30pm

Coordinates energy conservation and management projects on campus.
Will answer questions from the public.

CAL P.I.R.G.

46 Shattuck Sq. #25

Berkeley, CA 94704

(510) 644-3454

A student based organization in California doing research and advocacy
which concentrates on current consumer and environmental issues.

CITIZENS FOR A BETTER ENVIRONMENT

88 1st Street Second Floor

San Francisco, CA 94105

(415) 543-8591

CBE combines expert scientific research, effective legal action, sophisticated policy advocacy, and focused public education to bring about environmental reform - for all Californians.

CITY OF BERKELEY ENERGY OFFICE

MLK Jr. Civic Center

2180 Milvia St.

Berkeley, CA 94704

(510) 644-6309

Contact: Elaine Eisenstadt

The City's Energy Office provides Berkeley citizens with information and referral services on local energy organizations, businesses and programs.

The Energy Office also offers energy workshops, publishes this Directory and maintains a wide variety of energy publications in Energy Office library. Also available for \$20 is "THE TRAVELING ENERGY SHOW", a half hour song and dance video for school children grades K-6. In addition a free accompanying curriculum is available at no additional cost.

COMMUNITY ENERGY SERVICES CORPORATION (CESC)

1013 Pardee St,
Berkeley, CA 94710
(510) 644-8546

CESC was established by the Berkeley City Council in 1985. The CESC is a full service one-stop shop offering a broad range of energy conservation, alternative energy and energy management services. Clients choose from among the following services to tailor a service delivery plan which matches their specific need:

- Comprehensive energy audits and technical analyses of the energy conservation potential of a facility.
- Information and education.
- Preparation of bid and proposal specifications and evaluations.
- Project management.
- Contractor selection.
- Assistance with arranging financing.
- Post retrofit performance monitoring.
- Developing energy management plans.
- Training of energy management personnel in the maintenance of energy consuming systems.
- Seminars, workshops, and conferences on energy economics, ECMs and regulatory and legislative initiatives.

EARTH REGENERATION SOCIETY, INC.

1442A Walnut St., #57
Berkeley, CA 94709
(510) 525-4877
Contact: Alden Bryant

Non-profit public benefit corporation, organized to educate and inform the general public about environmental issues, to address such issues, and to promote scientific methods and research. Primary focus is how to contribute to understanding and implementing climate stabilization before it is too late. CO2BUDGET—a jobs and environment program—a pilot for international and national planning and cooperation.

ECOLOGY CENTER

2530 San Pablo Ave.

Berkeley, CA 94707

(510) 548-2220 and (510) 548-2221 for curbside recycling

(510) 527-5555 (Hot Line)

Tuesday-Saturday 11:00am- 5:00pm

A nonprofit community group providing a free curbside recycling program. They also have a bookstore, a library and publish booklets and a monthly newsletter, and serve as a clearing house for environmental information. New members are always welcome.

ENERGY RESOURCES GROUP

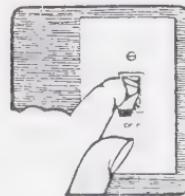
Energy Information Center

U.C. Berkeley Building T4

Berkeley, CA 94720

(510) 642-1640

Information Specialist: Cecily Ferran



Interdisciplinary academic unit of U.C. Berkeley, conducting programs of graduate teaching and research that treat energy issues as the intersection of technological, economic, environmental, and sociopolitical components. The Energy Information Center is located in Room 100 of Bldg. T4.

FUTURE RESOURCES ASSOCIATES, INC.

2000 Center Street, Suite 418

Berkeley, CA 94704

(510) 644-2700

Contact: Robert J. Budnitz

Sponsors symposia in alternative and renewable energy technologies. Does consulting for alternative energy and electric power generation including cogeneration systems.

LAWRENCE BERKELEY LABORATORY

The Center For Building Science

MS 90-3058

Berkeley, CA 94720

(510) 486-4834

FAX (510) 486-5394

The Center For Building Science is an international leader in developing and commercializing energy-efficient technologies, developing new analytical techniques, and providing social and economic documentation for

improving the energy-efficiency and indoor environment of residential and commercial buildings. The Center For Building Science coordinates three programs in Lawrence Berkeley Laboratory's Energy and Environment Division and they are Building Technologies, Energy Analysis, and Indoor Environment. For information on the center's Program Groups or Program Research Areas, contact the Center For Building Science at the number listed above.

LAWRENCE HALL OF SCIENCE

University of California

Berkeley, CA 94720

(510) 642-5133

Hours: Monday-Friday 10:00am-4:30 pm

Saturday-Sunday 10:00am-5:00pm

The Science Center is open to the public. Offers films, workshops, and educational programs on alternative energy sources as well as other topics of science. There is an admission fee. School groups are also encouraged; for reservations please call 642-5134.

MERRITT COLLEGE SELF-RELIANT HOUSE

12500 Campus Drive

Oakland, CA 94619

(510) 436-2619

Contact: Charles Ford

An ongoing experiment in appropriate technology, incorporating energy-efficient retrofits and appliances, on-site recycling and energy production, etc., conducted by students at Merritt College. The public is welcome to come and visit.

NATIONAL APPROPRIATE TECHNOLOGY ASSISTANCE SERVICE

P.O. Box 2525

Butte, MT 59702

800-428-2528

FAX (406) 494-2905

Free federally funded information and referral service. Provides fact sheets and resources lists; can answer many questions by phone, will research others.

NATURAL RESOURCES DEFENSE COUNCIL

71 Stevenson St.

San Francisco, CA 94105

(415) 777-0220

Contact: Ralph Cavanagh, Energy Project Director

NRDC's energy policy reputation is built on work at both state and federal levels, addressing both utility-distributed and petroleum fuels. In the renewable energy sector, NRDC co-founded and now co-chair the Coalition on Energy Efficiency and Renewable Technologies (CEERT), which links the environmental community with the most promising private sector providers of energy efficiency and renewable energy services.

OWNER BUILDER CONSULTING SERVICE

2530 San Pablo Ave. Suite E

Berkeley, CA 94702

(510) 841-6827

Contact: Charles Huttleston



Offers several courses in house building and remodeling which cover all phases of construction from foundation to roof, including house design, plan drawing, solar installation, and cabinet making. In addition they offer seminars and hands-on workshops on specific topics, and a variety of consultation services, as well as a materials supply service for individuals interested in building their own energy efficient home.

PACIFIC GAS & ELECTRIC CO.

244 Harbour Way

Richmond, CA 94801

1-800-468-4743 Commercial

1-800-933-9555 Residential

Call to find out what programs PG&E offers in local energy conservation.

SIERRA CLUB, SAN FRANCISCO BAY CHAPTER

5237 College Ave.

Oakland, CA 94618

(510) 653-6127

Addresses a variety of local environmental issues including energy, coastal protection, transportation and toxics. Welcome citizen participation. No special expertise necessary.

SONOMA STATE UNIVERSITY

Department of Environmental Studies and Planning
1801 East Cotati Avenue
Rohnert Park, CA 94928
(707) 644-2306

The Department of Environmental Studies and Planning (ENSP) has provided an interdisciplinary program at Sonoma State University since 1972. The department offers students excellent preparation for the future in society, in career and in personal fulfillment. A variety of study plans are offered for the Baccalaureate degree. Current ENSP study plans include: Environmental Conservation and Restoration, Environmental Education, Environmental Technology, and Planning Concentration. ENSP also offers a one-year Certificate in Energy Management and Design, and a Master of Arts in Education (curriculum, with emphasis in Environmental Education). For more information on admission requirements, fees and general questions contact the ENSP department at the phone number listed above.

UNITED STATES DEPARTMENT OF ENERGY

Washington, D.C. 20585
(202) 586-5000

Public Information Office: (202) 586-6827

Provides fact sheets, news releases, instructional pamphlets, funding information.

Energy Information Administration (202) 586-8800

Publishes reports by various divisions of D.O.E. programs, budgets, statistics. Compiles lists and catalogs of other resources.

Division of Consumer Affairs (202) 586-5373

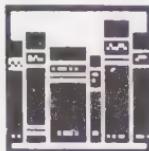
Information research service; searches files and data-bases of D.O.E. and other departments to provide answers to specific questions.

UNIVERSITY OF CALIFORNIA, BERKELEY, EXTENSION

2223 Fulton Street
Berkeley, CA 94720
Public Information Office: (510) 642-3112

Offers evening courses and weekend workshops for a fee throughout the year. The program regularly offers courses in energy and natural resources.

PUBLICATIONS



Many newsletters exist throughout the country that cover energy-related issues. These few exam-

ples were selected because they are geared to the lay-person and are fairly inexpensive.

ACEEE CONSUMER GUIDE TO HOME ENERGY SAVINGS

American Council for an Energy Efficient Economy
2140 Shattuck Ave., Suite 202
Berkeley, CA 94704
(510) 549-9914
Cost: \$8.95 Per Copy

The American Council for an Energy-Efficient Economy (ACEEE) is a non-profit organization that gathers, evaluates and disseminates information to stimulate greater energy efficiency. They conduct studies, publish books and reports, provide testimony, and organize conferences to facilitate information exchange between individuals developing new techniques and those who can put them to work.

BAY AREA GREEN PAGES

The Local Handbook for Planet Maintenance
Green Media Group
P.O. Box 11314
Berkeley, CA 94701
(510) 534-3470
Cost: \$17.02 UPS

A comprehensive environmental resource guide with articles, reviews, directories to organizations & educational opportunities, public agencies & parks, and an A-Z consumer guide of products and services for the Bay area as well as the Greater Los Angeles area. Green Media Group will also be publishing a collection of other environmental guides and directories.

CONSUMER INFORMATION CATALOG

United States Government Printing Office
Pueblo Documents Distribution Center
Pueblo, CO 81009
(719) 948-3334

For the latest information on Energy Saving tips, contact the Federal

Governments Consumer Information Center at the above address and request the **TIPS FOR ENERGY SAVERS** booklet. This booklet provides energy saving tips on heating and cooling, hot water, kitchen, laundry and bath, lighting, appliance labeling, building or buying a new home, yard and workshop, buying and maintaining a car.

ECOLOGY CENTER NEWSLETTER

Ecology Center
2530 San Pablo Ave.
Berkeley, CA 94702
(510) 548-2220 Tuesday-Saturday 11:00am-5:00pm
Cost: FREE (Membership \$25)

News and commentary on many environmental issues, including energy conservation and appropriate technology. Calendar of local events: educational, social, activist. Occasional community alerts on governmental policies.

ENERGY WATCH

California Energy Commission
1516 9th Street MS 22
Sacramento, CA 95814
(916) 654-4287
Cost: FREE Bimonthly

Covers information regarding California Energy production and various uses of energy resources.

HOME ENERGY MAGAZINE

2124 Kittredge St. Suite 95
Berkeley, CA 94704
(510) 524-5405
Cost: \$49 per year (bimonthly distribution)

HOME ENERGY magazine covers every aspect of energy conservation in the home. Written primarily for energy professionals, topics covered include the best way to blow insulation, the latest on sealing ducts, and techniques for building energy-efficient homes.

HOME OWNER'S RESOURCE

Our House Publishing Co.

3286 Adeline Suite 9

Berkeley, CA 94703

(510) 547-8111

Cost: FREE

Bi-monthly guide to local resources for East Bay home owners. A FREE where-to-find-it guide for information on renovation and construction process, permit approval, architectural design, book reviews, dump sites, and much more. 50,000 copies are distributed FREE through home improvement centers, hardware stores, design showrooms, supply houses, real estate offices, book stores, and direct mail.

HOME POWER MAGAZINE

Home Power Inc.

P.O. Box 520

Ashland, OR 97520

(916) 475-3179

Cost: \$15 per year.



Bi-monthly magazine with in depth articles on home energy systems, alternative energy orientation and energy-efficient appliances.

THE NEIGHBORHOOD WORKS

Center for Neighborhood Technology

2125 W. North Ave.

Chicago, IL 60647

(312) 278-4800

Cost: \$30 per year for individuals and nonprofit groups, \$40 per year for governmental organizations, libraries, foundations, and corporations.

Subscription includes 6 issues, at least 2 special publications per year, and a book. The Neighborhood Tool Box, which covers community development and self-reliance from the perspective of an urban neighborhood. Issues addressed include energy conservation, alternative energy and co-ops. Each issue also includes a two page "how to" feature describing projects, designed for easy reproduction.

NORTHERN CALIFORNIA SOLAR ENERGY ASSOCIATION SUN

Northern California Solar Energy Association

P.O. Box 3008

Berkeley, CA 94703

(510) 869-2759

Cost: \$25 membership fee.

Bimonthly, with calendar items, updates on Title 24, and solar energy including case studies.

PUBLIC CITIZEN

Hansen, McQuat, Hamrin & Rohde

50 California Street, Suite #2535

San Francisco, CA 94111

Founded by Ralph Nader, the Public Citizen provides subscribers with information on fairs, conferences, exhibits and other similar programs nationwide regarding energy-efficiency and renewables.

SAVE ENERGY

California Energy Extension Service

1400 Tenth St. Rm. 203

Sacramento, CA 95814

(916) 323-4388

Cost: FREE Quarterly.

Updates on CEES programs and current energy related issues. Call for next publication date.

THE URBAN ECOLOGIST

Urban Ecology

P.O. Box 10144

Berkeley, CA 94709

(510) 549-1724 Monday-Friday 9:00am-4:00pm

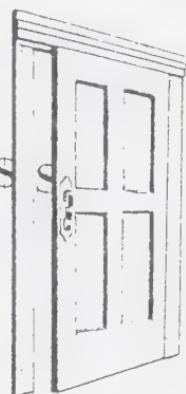
Cost: \$30 membership fee (\$15 low-income)

Urban Ecology looks at the city as a potentially healthy whole system of interrelated parts. Like the parts of a living organism, the many systems within the healthy city — transportation, energy, buildings, recycling, natural and agricultural systems — can contribute to the vitality of the whole. The journal (4 issues a year) reports on Urban Ecology projects and on a large number of other related projects from local scale to world-wide.

BUILDING ENERGY CONSERVATION

Most of the homes in Berkeley were built when heating costs were about one-sixth what they are today; energy efficiency was not a high priority. Now as heating costs escalate, individuals are finding that they can no longer afford to ignore the cracks around uncaulked or loose fitting windows and doors, uninsulated attics, water heaters which allow expensive heat to be lost, or inefficient household appliances. Increasingly, people are beginning to consider weatherizing their homes.

This section assists individuals in selecting weatherization materials, household energy efficiency audits, and installers.



WEATHERIZATION MATERIALS

The following is a shopping list of the most common household weatherization materials that when properly installed save energy. All can be found at local hardware stores.

To conserve space heating:

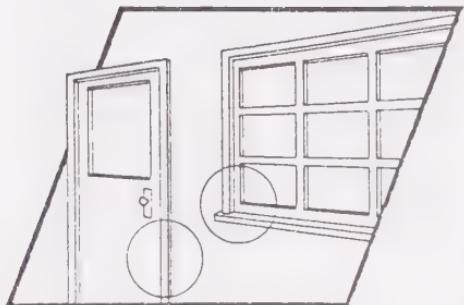
- Ceiling insulation
- Wall insulation
- Floor insulation
- Basement/Crawlspace insulation
- Storm windows
- Thermal shades/drapes
- Weather-stripping (doors & windows)
- Caulking (doors & windows)
- Fireplace plug
- Switchplate & outlet gaskets
- Intermittent ignition device
- Furnace duct insulation
- Furnace tune-up
- Furnace filters

To conserve hot water:

- Water heater insulation blankets
- Low-flow showerheads
- Faucet aerators
- Pipe insulation



ENERGY AUDITS



A thorough audit collects data on a home's or businesses structure, the equipment in it, and the occupant's energy-use habits. The information is then used to make specific recommendations on which measures are cost effective for that particular house or business. There are several basic energy saving measures that would be

economical to implement on virtually every Berkeley house or business. For people who want to go further than the basics, or to look into utilization of renewable energy resources, energy audits are an important first step.

COMMUNITY ENERGY SERVICES CORPORATION

1013 Pardee Street
Berkeley, CA 94710
(510) 644-8546

A full service one-stop shop offering a broad range of energy services including energy assessments, technical assistance, cost-benefit analysis, project management, and location of financing. A public, non-profit corporation.

FUTURE RESOURCES ASSOCIATES, INC.

2000 Center Street, Suite 418
Berkeley, CA 94704
(510) 644-2700
Contact: Robert J. Budnitz

Designs and uses state of the art computer programs for energy conservation audits of commercial and residential buildings.

PACIFIC GAS & ELECTRIC CO.

244 Harbor Way
Richmond, CA 94801
(510) 232-7363

Offers free audits as part of low-income weatherization program. Households may request the Home Energy Audit Questionnaire, a "do-it-yourself" audit. Offers limited free audits for CECO inspections. (Often a month wait).

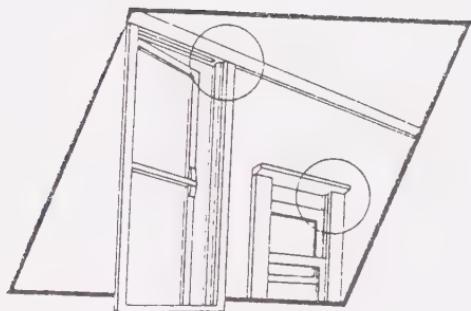
VETERANS ASSISTANCE CENTER

1403 Addison St. E

Berkeley, CA 94703

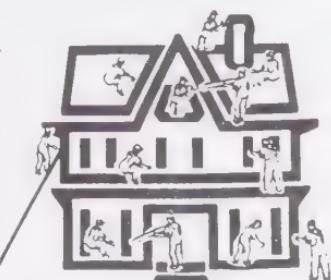
(510) 649-4850

Offers RECO audits for a charge of \$45.00; short waiting period.



HOUSEHOLD WEATHERIZATION CONTRACTORS & SERVICES

The following list of businesses weatherize houses or sell energy conservation products. In general, weatherization projects include: the weather-stripping and caulking of doors and windows, repair of broken windows, insulation of water heater tanks, attics, ducts, installation of lowflow showerheads and furnace tune-ups. Some also perform audits.



AMERICAN ENERGY CENTERS

Lic. #438711
9957 Medford Ave. #14C
Oakland, CA 94603
(510) 568-7500

Installs insulation.

AMERICAN SUN CONTROL

5856 Peledeau St.
Emeryville, CA 94608
(510) 652-6239

Specializes in solar film on windows and security film for earthquakes, for residential buildings and cars.

ANDREA DENVER ASSOCIATES

Licensed Electrical Contractor
2243 Browning St.
Berkeley, CA 94702
(510) 841-4552

Provides energy management consulting and contracting services since 1983. Especially skilled in energy efficient lighting design and installation, controls, energy audits, energy master plan development, and cost analysis.

ENVIROTHERM INC.

Lic. #428351

18 Woodland Ave.

San Rafael, CA 94901

(510) 268-9733

Provides weatherization services. Sells regular and double-paned windows and window coverings.

JEVONS PLUMBING AND HEATING

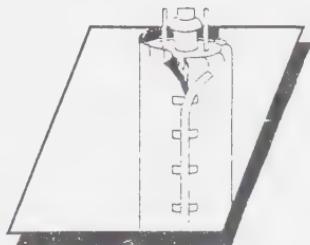
Lic. #277473

1516 University Avenue

Berkeley, CA 94703

(510) 843-6378

Installs and services solar heating systems.



LIFE LONG LIGHTS

2124 Kittredge St. #168

Berkeley, CA 94704

(510) 649-5754

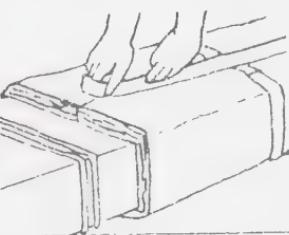
Sells energy-saving fluorescent tubes and screw-in bulbs as well as halogen floodlights. Wholesale and retail. Variety of selection of Vita-Lite full spectrum fluorescents.

LIGHT SOLUTIONS

934 Mac Arthur Blvd.

Oakland, CA 94610

(510) 893-0134



SEARS ROEBUCK AND CO.

Lic. #025455

660 West Winton Ave.

Hayward, CA 94545

(510) 732-3188

Provides a wide variety of weatherization services including: insulation for attics and ducts, low-flow showerheads, weather-stripping, hot water heater blanketing, and caulking. Gives free estimates. Residential only.

WHITE ELECTRIC CO., INC.

THE LIGHT BULB PLACE

1821 University Ave.

Berkeley, CA 94704

(510) 845-8535

Contact: Burch, Doralee, or Susan White

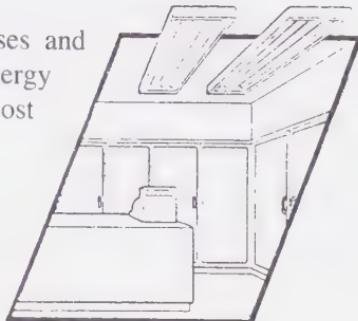
Specializing in 2 categories:

1) ENERGY-SAVING LIGHT FIXTURES AND CONVERSIONS, and other energy-saving devices (dimmers, timers, motion sensors, etc.).

2) LIGHT BULBS AND TUBES OF ALL KINDS (especially energy-saving fluorescents, H.I.D., high-pressure sodium, mercury vapor, quartz halogen, etc.). Competitive prices, quantity discounts. Special orders welcomed. Affiliated electrical contracting company installs entire systems.

CONSULTING

The following businesses and organizations offer energy consulting, including cost



analysis, project planning and management, and title 24 documentation.

BEC ASSOCIATES

2512 Ninth St., Suite 1
Berkeley, CA 94710
(510) 843-6777

Title 24 consulting, equipment sizing for residential and commercial buildings, glazing, and life cycle cost analysis of equipment and retrofits.

BERKELEY ENERGY MANAGEMENT

2130 Shattuck Ave.
Berkeley, CA 94705
(510) 841-4036

Title 24 consulting, residential and commercial. Building energy analysis.

BETA ASSOCIATES

6000 Hollis
Emeryville, CA 94608
(510) 654-3255

Title 24 consulting and building energy analysis.

CALIFORNIA ASSOCIATION OF BUILDING ENERGY CONSULTANTS

2150 River Plaza Drive #315
Sacramento, CA 95833-3880
(916) 921-2223

The California Association of Building Energy Consultants (CABEC) is a non-profit organization dedicated to providing up-to-date, reliable information about the California Title 24 Energy Standards and related building energy efficiency topics. CABEC sponsors educational programs for industry professionals on building energy conservation, energy analysis and compliance with the Standards, and also conducts the Certified Energy

Analyst program. These activities have been developed to assure a professional level of training, experience and qualification for those individuals preparing Title 24 compliance and energy analysis documentation. For information on membership benefits or the certification program, contact CABEC at the address listed above.

CALC 24

1250 Addison St., #107A
Berkeley, CA 94702
(510) 548-0382

Consulting firm, specializing in California's Energy Code (Title 24) and passive solar design concepts.

COMMUNITY ENERGY SERVICES CORPORATION

1013 Pardee St.
Berkeley, CA 94710
(510) 644-8546

A full service one-stop shop offering a broad range of energy services including energy assessments, technical assistance, cost-benefit analysis, project management, and location of financing. A public, non-profit corporation.

COOPER-HAWKINS

2701 San Pablo Ave.
Berkeley, CA 94702
(510) 845-4225

Audits, analysis, and installation of insulation and HVAC. Refrigeration and Air Conditioning energy conservation consulting for commercial entities.

JAMES L. DAVIS, PE, CPE

81 Brentwood Dr.
San Rafael, CA 94901
(415) 456-6958

Registered Professional Engineer experienced in Facilities Design, Project Management, and Hardware Design.

ANDREA DENVER ASSOCIATES

2243 Browning St.
Berkeley, CA 94702
(510) 841-4552

Provides energy management consulting and contracting services since 1983. Especially skilled in energy efficient lighting design and installation, controls, energy audits, energy master plan development, and cost analysis. Licensed electrical contractor.

ENERGY MANAGEMENT SERVICES

440 Grand Avenue, Ste. 425
Oakland, CA 94610
(510) 261-8422

Consultant for residential, commercial, schools, and local government.

ENERGY PLANNING

731 Mandana Blvd.
Oakland, CA 94610
(510) 763-4473

Consulting, contracting, and auditing. Mainly commercial buildings; retail stores, restaurants, office buildings, and warehouses/industrial. Carries out the entire project; from auditing, to making recommendations for improving energy efficiency, to actually bidding and doing contracting work on a project. Retrofits buildings. Sells and installs energy efficient lighting fixtures and products.

FARBER ENERGY DESIGN

1300 Clay Street, Suite 600
Oakland, CA 94612
(510) 464-8087
Contact: Gary Farber

Farber Energy Design's in-house capabilities include modeling and energy code

(Title 24) documentation for any type of residential or non-residential building project, ranging from small additions to large mixed-use buildings. Our services include envelope, HVAC and lighting systems energy code compliance, utility rebate calculations and documentation, energy-efficient design consulting (e.g. passive solar, daylighting) and energy-related economic analyses of various architectural and building system design strategies.

GABEL DODD ASSOCIATES

1818 Harmon St.
Berkeley, CA 94703
(510) 428-0803

Consulting and Title 24 documentation. Project management and engineering. Modeling software for sale to other consultants.

INQUIRING SYSTEMS, INC.

3111 Deakin St.
Berkeley, CA 94705
(510) 843-3135

A consulting firm offering a spectrum of services aimed at assisting other organizations to achieve economic stability. Inquiring Systems, Inc. is prepared to work in the following areas: energy conservation, environmental impact, weatherization, solar, greenhouse building and design, etc. One of its main functions is project design and planning.

SCHILLER ASSOCIATES

1800 Harrison
Oakland, CA 94612
(510) 893-7813

TEM ASSOCIATES

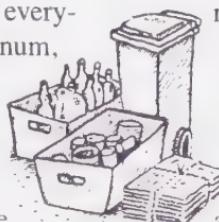
2000 Powell St. Suite 1500
Emeryville, CA 94608
(510) 655-9485

Audits, project management, technical and economic analysis, policy and regulation interpretation. Energy specialist firm.

RECYCLING

Many of the materials we use everyday can be reused. Glass, aluminum, cans and paper can all be recycled. Besides drastically

reducing the quantity of waste destined for landfills, recycling saves valuable resources and energy.



Berkeley also has organizations that salvage and recycle

less traditional materials such as scrap metals.

ASUC RECYCLING PROJECT

620 Eshleman Hall
U.C. Berkeley
(510) 642-4895

Picks up recycling materials on campus and from other U.C. property.
Many deposit bins.

THE BUY BACK

Corner of Second & Gilman Streets
Berkeley, CA 94710
(510) 524-5355 (Recorded price information)
(510) 524-0113 (Non-price information)
Tues - Sun: 9 a.m. - 4 p.m.



The Buy Back will pay individuals for all of their recyclable materials including: aluminum cans, aluminum scrap, aluminum foil, newspaper over 500 pounds, cardboard, and color-sorted glass. The Buy Back also accepts recyclables at their donation center. You can donate any material they buy - just put it in the correct bin. You can also recycle tin cans (remove labels), scrap iron and steel, and mixed waste paper (office paper, junk mail, egg cartons, and phone books). The Buy Back cannot accept: plastic, wood, waste oil, magazines, books, or garbage.

CALIFORNIA WASTE MANAGEMENT BOARD (CWMB)

8800 Cal Center Drive
Sacramento, CA 95826
(800) 553-2962 (Recycling Hotline) M-F 8am-5pm
Supervisor: Joanne Vorhies

Provides statewide recycling information. The hotline acts as a database; if you state your zip code, a nearby recycling center will be located for you.

The hotline is also a good source of information for locating waste oil recyclers. The general information number provides information about waste management and disposal.

CITY OF BERKELEY PUBLIC WORKS DEPARTMENT RECYCLING DIVISION

(510) 644-6858

Contact: Jim Lilenwall

Provides recycling education, information on plastics, and information on future planning. The recycling division is also responsible for implementing the City of Berkeley Styrofoam/Plastic Ordinance.

CITY OF BERKELEY PUBLIC WORKS DEPARTMENT REFUSE DIVISION

(510) 644-6465

Contact: Louis Arnold

For those interested in participating in commercial recycling.

COMMUNITY CONSERVATION CENTERS, INC.

Dwight & Martin Luther King Jr. Way

Berkeley, CA

(510) 524-0113

Staffed daily, 9am-5pm

Drop-off center for donations only of sorted materials: newspaper, magazines, cardboard, mixed waste paper, glass, aluminum cans and foil, and tin cans. The center does NOT accept: plastic or motor oil.

ECOLOGY CENTER

2530 San Pablo Ave.

Berkeley, CA 94702

(510) 548-2220 (General Information)

(510) 527-5555 (Bay Area Recycling Hotline)

Tuesday-Saturday 11am-5pm



A non-profit community group providing a free curbside recycling program. The Center will pick up your bundled newspapers, tin cans, separated glass containers, and aluminum cans from right in front of your home once a month. Call the Center for a pick up schedule. The Ecology Center also acts as an environmental resource center; it publishes a monthly newsletter, operates an environmental library and book/ organic gardening/

ecological store, operates a recycling hotline, and regularly offers gardening classes. The recycling hot-line provides information about recycling within the Bay Area. You can find out the location of recycling and redemption centers, where particular types of recyclable materials are accepted, and have recycling-related questions researched. Two types of memberships are available: regular, \$25.00 & up/year; and seniors, \$15.00/year. Members receive the newsletter in the mail, a 10% discount at the store, may check out books from the library, and may vote/run for the Board of Directors.

E.C. OLOGY RECYCLING CENTER

7501 Schmidt Lane
El Cerrito, CA 94530
(510) 215-4350
Mon-Fri 8am-6pm.
Sat-Sun 9am-4pm



Operates a weekly curbside collection program for El Cerrito residents. This program picks up the following materials: newspaper, tin cans, aluminum cans, and mixed glass. Call for schedule. The donation center accepts motor oil, scrap aluminum, scrap metal, magazines, cardboard, mixed paper, newspaper, tin cans, aluminum cans, aluminum foil, computer paper, and 2-liter PET (plastic) bottles with CA Redemption Value. Also provides a free book exchange service for those who want to exchange books.

OMEGA SALVAGE

2407 San Pablo Ave.
Berkeley, CA 94702
(510) 843-7368

Buys and sells used building materials. Items accepted include: plumbing fixtures, lighting fixtures, stained glass, doors, marble, sinks, tubs, rot iron, and window hardware. (Victorian to the 1940's)

RELIANCE APPLIANCE

830 Gilman St. (Corner of 6th)
Berkeley, CA 94710
(510) 525-5921
M-F 9am-5pm
SAT 10am-4pm

Will buy two types of 1950's stoves: Wedgewood and O'Keefe & Merritt. These stoves must be in good condition. Does not accept other kinds of appliances.

**STATE OF CALIFORNIA DEPARTMENT OF CONSERVATION
DIVISION OF RECYCLING
(800) 327-9886 (Recycling Hotline)**

Information hotline operated by the State of California using funds provided by the Bottle Bill. Provides statewide information about recycling and redemption centers.

**URBAN ORE BUILDING MATERIALS
EXCHANGE**

1333 6th Street
Berkeley, CA 94710
(510) 526-7080
Mon-Sun 8:30am- 5pm

BUY/SELL/TRADE vintage and modern doors, windows, lumber, sinks, tubs, toilets, bricks, tile, glass, pipe, and hardware.

URBAN ORE DISCARD MANAGEMENT CENTER

1231 - 2nd Street (1/2 block north of Gilman)
Berkeley, CA 94710
(510) 559-4451
Mon-Sun 8:30am-4:30pm

RECEIVING ONLY of reusable goods, scrap metal, and appliances.
Located next to the Berkeley transfer station.

URBAN ORE GENERAL STORE

1333 6th Street
Berkeley, CA 94710
(510) 559-4450
Mon-Sun 8:30am-5pm

BUY/SELL/TRADE furniture, rugs, housewares, books, tools, bicycle parts, art, records, antiques, jewelry, hardware, kitchen cabinets, and office equipment such as typewriters, desks chairs, and filing cabinets.





FINANCE



One of the major obstacles to the implementation of energy saving measures and the utilization of renewable energy resources is financing. Although a \$500 investment could save a household over five times that much in a decade, the investment is often not made because of the lack of \$500. The following section describes financing opportunities available for energy investments, including utility and governmental loan and grant programs and energy services companies.

The State of California administers several programs which provide grant and loan funds to assist businesses assess and install energy efficient equipment or systems. Most are funded by money recovered by the Federal government from the oil companies for violations of price controls imposed during the oil "crisis" of the 1970's. Several of these programs are described briefly in this directory. For additional information or guidelines for application, contact the relevant State office.

CALIFORNIA ENERGY COMMISSION

Energy and Technology Development Division

Research and Development

1518 9th Street

Sacramento, CA 95814

(916) 654-4396

(916) 654-4304 Energy Technology Assistance Program

Provides grants and loans for research and development work on energy efficiency or the cost effectiveness of energy systems. Administers the Energy Partnership Program which provides technical assistance to local governments who are evaluating and/or installing energy efficient equipment and systems.

BAY AREA SMALL BUSINESS DEVELOPMENT CORPORATION

3932 Harrison Street

Oakland, CA 94611

(510) 652-5262

Administers a loan program for the California Energy Extension Service which is funded with money from the Petroleum Violation Escrow Account (PVEA). The program, which began in September 1988, provides 5 year

short term loans to small businesses to improve their energy efficiency. Firms can borrow up to a maximum of \$150,000 at below market rates of interest (typically between 5% and 7%). Their staff assist the firm in completing the application.

CITY OF BERKELEY ENERGY OFFICE COMMUNITY ENERGY CENTER

1013 Pardee Street
Berkeley, CA 94710
(510) 644-8544

Administers a free weatherization program for eligible low income residents of Berkeley, Albany and Emeryville. The Energy Office also administers a program to help low income residents of these cities pay their utility bills.

COMMUNITY ENERGY SERVICES CORPORATION

1013 Pardee Street
Berkeley, CA 94710
(510) 644-8546

The CESC is a non-profit full service energy corporation which offers information and technical assistance to both the residential and commercial sectors on energy efficient equipment and systems as well as locating financing for energy services from loans, lease financing, or shared savings.

PACIFIC GAS AND ELECTRIC CO.

East Bay Division
2111 Martin Luther King JR. Way
Berkeley, CA 94704
1-800-468-4743 Commercial
1-800-933-9555 Residential

Rebates

PG&E recently announced its financial incentive package for commercial, industrial and agricultural businesses located within its service territory. Seven incentive programs (first come, first served) are available for owners who install energy efficient equipment or systems. For example, industrial businesses can receive a rebate of up to \$100,000 for installing energy efficient equipment, or up to \$200,000 for shifting new electric load to non-peak hours.

PG&E Will Buy Your Power

A Federal law requires utilities to purchase power from small energy producers. If you produce your own power by any of the following sources:

- * Solar
- * Wind
- * Hydro-electric
- * Cogeneration
- * Biomass
- * Solid Waste Conversion

and do not use all of it, PG&E will buy the surplus from you at "avoided cost" prices, which are defined as those which PG&E can avoid by not having to either produce the power itself or buy it from other utility suppliers. The avoided costs are higher than the rate the average household pays PG&E for power.

STATE ASSISTANCE FUND FOR ENERGY BUSINESS AND INDUSTRIAL DEVELOPMENT CORPORATION (SAFEBIDCO)

145 Wikiup Dr.
Santa Rosa, CA 95403
1-800-273-8637
FAX (707) 577-7348

SAFEBIDCO administers a loan program which uses federal funds from the Petroleum Violation Escrow Account (PVEA) to provide loans to small businesses and non-profit organizations for energy improvements in leased or owned facilities. Examples of eligible activities include insulation, improvements to the heating, ventilating, and air conditioning and lighting systems, and installation of alternative energy systems such as cogeneration and solar systems. Under the SAFEBIDCO program firms can borrow up to a maximum of \$150,000 at 5% interest for five (5) years. The program is scheduled to end on December 31, 1994.



ALTERNATIVE ENERGY



SOLAR

Residential solar can be as simple as a solar "bread box" type water heating collector, or a water hose coil system, or as complicated as building a passive solar house. You can do it yourself or hire a local business.

BERKELEY ENERGY MANAGEMENT

3120 Shattuck Ave.
Berkeley, CA 94705
(510) 841-4036

Provides energy consulting and contracting. Specializes in new construction and Title 24 (State Energy Code) compliance.

PAUL COOPER

P.O. Box 5774
Berkeley, CA 94705
(510) 848-9218

Solar service, repair, and new installation of passive and active solar water and space heating systems. New construction plumbing.

GABLE DODD ASSOCIATES

1818 Harmon St.
Berkeley, CA 94703
(510) 428-0803

Energy consulting and software. Provides Title 24 compliance, with an emphasis on heating.

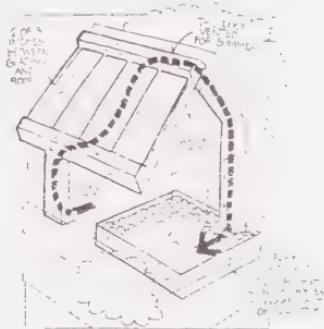
JEVONS PLUMBING AND HEATING

Lic. #277473
1516 University Avenue
Berkeley, CA 94703
(510) 843-6378

Installs and services solar heating systems.

SUN LIGHT & POWER CO.

Lic. #B-326203
1035 Folger Avenue
Berkeley, CA 94710
(510) 845-2997



Sun room installation and remodeling, and solar service

SOLAR DESIGN AND CONSULTING SERVICES

MARK GORRELL

Architect/Consultant
850 Mendocino
Berkeley, CA 94707
(510) 528-1208



Independent solar consulting and design for passive low cost applications. Also performs consultation and design for composting and other energy/money saving ideas.

OTTO J.M. SMITH

612 Euclid Avenue
Berkeley, CA 94708
(510) 525-9126

A professional engineer offering consulting in solar heating, solar domestic hot water, solar refrigeration, solar air cooling, solar water pasteurization, solar thermal electric central stations and appropriate technology wind turbine design.

RADIANT ENERGY SYSTEMS

1818 Harmon Street
Berkeley, CA 94703
(510) 654-1586

Provides contracting, design, and installation of in-floor radiant heating systems.

COGENERATION

COMMUNITY ENERGY SERVICES CORPORATION

1013 Pardee Street
Berkeley, CA 94710
(510) 644-8546

Assists businesses in identifying energy resources and conservation opportunities. Also, provides technical/financial assistance and ways to acquire energy-saving benefits.



FUTURE RESOURCES, INC.

2000 Center Street, Suite 418

Berkeley, CA 94704

(510) 644-2700

Engineering support, financial placement and planning, and environmental permit support.

PARSONS BRINCKERHOFF ENERGY GROUP SYSTEMS

303 2nd Street Suite 805 North

San Francisco, CA 94107

(415) 281-8700

Studies and design for energy conservation, cogeneration, and waste energy for implementation of all phases of energy work.

STANDFORD ENERGY SYSTEMS

1901 Old Middlefield Way, #18

Mountain View, CA 94043

(415) 967-2007

Designs, installs, services and finances alternative energy systems/cogeneration for residential, commercial, and industrial applications.

TECOGEN, INC.

4968-17th Street

San Francisco, CA 94117

(415) 564-6781

Contact: Bill Martini

Leading supplier in the Bay Area and the United States. Manufactures, sells, and services small scale packaged cogeneration, and packaged gas engine driven chillers (air conditioners).

WATER & ENERGY MANAGEMENT

79 Hillmont Place

Danville, CA 94526

(510) 820-6603

Consulting engineers specializing in cogeneration, bio-mass, feasibility studies, gas driven chillers and direct/indirect evaporative cooling.

TRANSPORTATION



There are a number of transportation organizations located in Berkeley offering services which promote alternatives to traveling alone, making traveling more pleasant and less costly, both on the environment and household budgets.

For easy reference, the services have been grouped into three sections: Local Transportation, Long Distance Transportation, and Bicycle Transportation.

LOCAL TRANSPORTATION

ALAMEDA/CONTRA COSTA (AC) TRANSIT

1600 Franklin St.

Oakland, CA 94612

1-800-559INFO (Berkeley/Oakland Info.)

*Information on Passes, Discounts and Customer Services: (510) 891-4706

*Information on Routes: (510) 839-2882

*Customer Relations: (510) 891-4700

AC TRANSIT DISCOUNTS

Local Berkeley Area: A monthly pass for \$40.00 is available at the Berkeley TRiP Commute Store, Safeway and Lucky food stores for unlimited use for travel in East Bay.

Transbay Pass: The monthly pass is available to Berkeley residents for \$75. The transbay pass may be purchased at the Berkeley TRiP Commute Store, the Transbay Terminal in San Francisco, or at 1600 Franklin Street in Oakland.

Muni Pass for Transbay Commuters: Transbay Pass holders may purchase an extension to Muni for an additional \$32 per month at the Transbay Terminal. This extension is also available at the AC Transit offices at 1600 Franklin St. in Oakland, and the Berkeley TRiP Commute Store.

BAY AREA RAPID TRANSIT (BART)

800 Madison St.

Oakland, CA 94607

(510) 465-BART

BART provides interchanges and discounted transfers with busing systems

(either AC, Muni, or other shuttle services). All BART stations have elevators for disabled access. Bicyclists can carry their bikes on BART by obtaining a BART bike pass (see Bicycle Transportation section).

BART DISCOUNTS

- * BART Plus: 2 week pass for unlimited use of local transportation including: AC Transit, BART Express, County Connection, Dumbarton Express, SAM TRANS, Santa Clara Transit, SF Muni, Union City Transit.
- * Senior Citizen Discounts: \$16.00 worth of tickets @ \$1.60
- * Discounts for Disabled: \$16.00 worth of tickets @ \$1.60
- * Children's Discount (ages 5-12): \$16 worth of tickets @ \$1.60
- * Other individuals may buy \$32.00 worth of tickets @ \$30.00. These discount tickets can be purchased at some banks and stores, and at the Berkeley TRiP Commute Store.

VANTASTIC

1608 Oregon St.
Berkeley, CA 94703
(510) 843-7882
Contact: Vicki Riggan

Provides wheelchair accessible transportation 24 hrs. a day. Van vouchers accepted. Serves the entire Bay Area. Also provides personal care attendants, emergency services, emergency transportation and minor wheelchair repair.

BERKELEY TRiP COMMUTE STORE

2033 Center St.
Berkeley, CA 94704
(510) 644-POOL

Provides services to assist residents and commuters to Berkeley in sharing rides or using modes of transport other than cars. Programs include:

- * Route and schedule information for public transit
- * On-the-spot computer carpool and vanpool matching
- * "Safe route" maps for bicycling
- * Registration for carpool parking in City garage
- * Privately owned and driver-leased vans currently operate from Concord, Hayward, Livermore, Petaluma, Pittsburg, Sacramento, San Rafael, San Francisco, Fairfield, Vallejo, and Vacaville. As with all van/carpool services, the participant pays a monthly fee which covers the cost of gas and the vehicle. Call for schedule and fee information. The Commute Store

also sells transit passes for all 9 Bay Area transit systems, including AC and BART. Hours are 8:30-5:30, M-F (except Thurs., 9-6); closed on University holidays.

BERKELEY CAMPUS SHUTTLE

UC Berkeley

Information and reservations: (510) 643-5790

Shuttle service from UC campus to Berkeley BART Station at Center and Shattuck. Service runs from 7 a.m. to 6 p.m. M-F. Service from campus to Lawrence Hall of Science runs from 7:45 a.m. to 6:30 p.m. every weekday. The express shuttle runs from 7:45 a.m. to 8:45 a.m. and 4:15 p.m. to 5:30 p.m. every 15 minutes. Call for info on Night Safety Service.

LAWRENCE BERKELEY LABORATORY SHUTTLE SERVICE

(510) 486-4165

For Laboratory employees and authorized visitors. Main stop is across from downtown Berkeley BART station at Center and Shattuck. Bus leaves every ten minutes from 6:30 a.m. to 5:50 p.m. and from 5:50 p.m. to 6:50 p.m. every 20 minutes. For other stops and schedules call the above number.

LONG DISTANCE TRANSPORTATION

These Berkeley-based organizations facilitate low-cost long-distance road travel.

DRIVER/RIDER MATCHING SERVICES

HALF COST CAR POOL TRANSIT SYSTEM

(510) 845-1769

Assists people in locating transportation in a number of unique ways:

- * Matches riders with drivers
- * Provides drivers with riders
- * Locates "drive-away" cars that can provide a driver with a car while they are delivering someone else's car
- * Locates and advertises automobiles to buy-or-sell for \$1000 or less

KALX RADIO RIDE FINDER SERVICE

(510) 642-KALX (24-hour hotline)

Lists of drivers and riders needed are announced daily on-the-air at 10:00 a.m. and 10:00 p.m.

UC RIDE BOARD

Bulletin board located on ground floor of Student Union. Pencils and ride information slips provided.

ALTERNATIVE BUS SYSTEMS

GREEN TORTOISE

(415) 821-0833

Sleeper Bus Co. offering inexpensive transportation between Seattle, Los Angeles, and San Francisco, twice a month.

BICYCLE TRANSPORTATION

East Bay bike shops, dealing in new and used bikes, repairs, safety equipment, parts, etc., are too numerous to list. In general, shops within a mile of UC campus (and other high-rent areas) are higher-priced than those farther away. Check the yellow pages.

THE MISSING LINK

1988 Shattuck Ave.

Berkeley, CA 94704

(510) 843-7471

WORKER OWNED AND OPERATED



Free classes in maintenance and repair are offered Tuesdays, 7 p.m.. These classes are conducted as a seven-part series and new students are welcome during any part of the series. The Missing Link also provides free shop space where patrons (even those who haven't bought anything) may use specialized tools to work on their own bikes. Open Monday-Friday 10:30am-7pm, Saturday 10am-6pm and Sunday 12am-5pm.

BERKELEY TRIP COMMUTE STORE

2033 Center St.

Berkeley, CA 94704

(510) 644-7665

Offers "Safe Bike Route" maps, safety tips, news on ordinances pertaining to bicycling, and applications for Bikes on BART.

TRANSIT SERVICES FOR BICYCLES

BIKES ON BART

800 Madison St. (Lake Merrit BART station)

Oakland, CA 94607

(510) 464-7127

Cyclists must have a pass to take their bikes on BART. Long term passes, good for 3 years, can be obtained by mail or in person at the above address. The pass costs \$3.00. A temporary bike pass may be obtained free from any station agent—one per cyclist per year. A bike permit lets cyclists take their bikes on BART during non-commute hours Monday through Friday and all day on weekends. If your bike is collapsible at the frame, no special permit is required. Bicycle racks and lockers are available at all stations except downtown Oakland, Berkeley, San Francisco or Richmond. With proper identification, temporary bike permits are available from station agents on a one time only basis. Cyclists must observe all rules governing the use of bicycles on the system, or the permit may be revoked. For bike permit and locker rental information call BART's Office of Passenger Service, (510) 464-7133.

CALTRANS BAY BRIDGE COMMUTER BICYCLE SHUTTLE

Commute hours—MacArthur BART to Terminal Building

Fare: \$1.00

Call for schedules: (510) 286-0876 or (510) 286-0669

Caltrans FREE tow service for Richmond-San Rafael, Carquinez, Benicia, San Mateo Bridges. One time only, by appointment. FREE. 12 hours advance notice recommended. For appointments call (510) 286-0589. (Dumbarton, and Antioch Bridges have bike lanes.)

RECREATIONAL AND ACTIVIST GROUPS

There are many organizations in the East Bay that serve as meeting grounds for people who want cycling companions, as advocates for safety and access, or both. Groups not officially oriented toward activism may still have information on bicycling issues. These are the major activist groups.

EAST BAY BICYCLE COALITION (EBBC)

P.O. Box 1736
Oakland, CA 94604
(510) 452-1221

Dedicated to improving conditions and access for bicyclists in Alameda and Contra Costa counties. EBBC helped to develop and implement the City of Berkeley Bike Masterplan and is responsible for the Bikes on BART program. Memberships are available at a cost of \$12 per year. The EBBC newsletter, "Ride-on", is published 11 times/year and is available to members.

REGIONAL BICYCLE ADVISORY COMMITTEE (REBAC)

3313 Grand Ave.
Oakland, CA 94610
(510) 452-1221

This organization performs functions similar to those of EBBC, but operates within all nine counties of the S.F. Bay Area. The main concerns of this organization are removal of bike barriers, improving travel on bay area bridges and making the bicycle a real transportation choice. The "REBAC Newsletter" is published 6 times a year, and is available for a \$10 yearly membership fee.

SIERRA CLUB

6014 College Ave.
Oakland, CA 94618
(510) 653-6127

The main function of the Sierra Club is that of conservation and to explore, enjoy, and protect the wild places of the earth. Upon becoming a Sierra Club member, one receives the local newsletter "Yodeler", with information about bike rides and hikes organized by Sierra Club members. Call for membership information.

**FOR FURTHER INFO ...
contact:**

CITY OF BERKELEY
ENERGY OFFICE
2180 MILVIA STREET
BERKELEY, CA 94704
(510) 644-6309

Please send me more information on:

City of Berkeley Energy Programs: _____
Low Income Assistance: _____
Community Energy Services Corp: _____

Mail to:

NAME _____

ADDRESS _____

My firm would like to be included (or I know of a firm that should be) in the
RESOURCE DIRECTORY:

TYPE OF BUSINESS: _____

NAME AND ADDRESS: _____

PHONE NUMBER: _____

Additional comment or feedback:

U.C. BERKELEY LIBRARIES



C124919351

**City of Berkeley
Energy Office
2180 Milvia Street
Berkeley, CA 94704
(510) 644-6309**

